

CLAIMS:

1. An enclosure (1) for an acoustic transducer (2), the enclosure comprising a first chamber (11) for accommodating the acoustic transducer (2) and a second chamber (12), which first and second chambers are acoustically coupled by a coupling section (15), wherein the first chamber (11) and the second chamber (12) are spaced apart.

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2. The enclosure according to claim 1, wherein the coupling section (15) has a smaller cross section than the first chamber (11) and/or the second chamber (12).

3. The enclosure according to claim 1 or 2, which is dimensioned so as to

10 constitute a second-order acoustic system.

4. The enclosure according to any of the preceding claims, which is substantially closed.

15 5. The enclosure according to any of the preceding claims, further comprising a third chamber (13) which is acoustically coupled with the first chamber (11) or the second chamber (12) by a further coupling section (16).

20 6. The enclosure according to claim 5, wherein the further coupling section (16) has a smaller diameter than the first chamber (11), the second chamber and/or the third chamber (13).

7. The enclosure according to claim 5 or 6, wherein the first chamber (11), the second chamber (12) and the third chamber (13) constitute a three-dimensional arrangement.

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8. The enclosure according to any one of the preceding claims, wherein the second chamber (12) has a longitudinal direction which is substantially perpendicular to a longitudinal direction of the first chamber (11).

9. The enclosure according to any one of the preceding claims, wherein the transducer (2) is located at an outer surface of the first chamber (11).

10. The enclosure according to any one of the preceding claims, comprising two
5 or more transducers (2).

11. An audio system, comprising at least one acoustic transducer (2)
accommodated in an enclosure (1) according to any one of claims 1 to 10.

10 12. The audio system according to claim 11, further comprising an amplifier for
providing an excitation signal to the at least one transducer (2), and preferably a signal source
such as a tuner, a CD player, a DVD player, an MP3 player, a microphone and/or a computer.

15 13. The audio system according to claim 11 or 12, wherein the transducer (2) is
arranged for operating in a frequency range chosen so as to exclude any higher resonance
frequencies of the acoustic system constituted by the transducer (2) and the enclosure (1).

20 14. The audio system according to claim 11, 12 or 13, wherein the transducer (2)
is arranged for operating at the fundamental resonance frequency of the acoustic system
constituted by the transducer (2) and the enclosure (1).

15. A television set, comprising at least one acoustic transducer (2) accommodated
in an enclosure (1) according to any one of claims 1 to 10.

25 16. A monitor, comprising an enclosure according to any one of the claims 1 to 10
and provided with an acoustic transducer.